

## IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

**Please amend Page 18, the Paragraph beginning at line 12 as follows:**

Step S13:

It is determined whether ~~or not the value of the variable j is equal to or larger than the variable k~~ exceeds j, that is, whether ~~or not a corresponding~~the thread should execute a new parallel processing block that has no corresponding parallel processing block control information region. If the ~~corresponding~~ thread should execute a new parallel processing block, the program proceeds to a step S14, whereas if not, the program proceeds to a step S17.